

Remarks

The claims have been amended by deleting claim 10; amending claims 1-4, 6 - 9 & 11; claims 5,12 & 13 are unchanged. Claims 1- 9, 11-13 remain in the application.

Remarks

Regarding the title objection, the title has been amended to be "CIRCUIT AND METHOD FOR CORRECTING A DIGITAL COLOR SAMPLED SIGNAL". This title is clearly indicative of the invention to which the claims are directed.

Regarding the objection to the typographical error on page 8, line 23, this error has been corrected to read "The color correction circuit 3 and modules 4,5 perform image corrections".

Regarding the examiner's objection to the abstract, it is submitted that the amended abstract now satisfies the requirements as mentioned by the examiner.

Referring to the claim objections as to clarity, it is submitted that the amended claims now on file overcome the objections of clarity.

Claim Rejections - 35 U.S.C. § 102:

Claims 1 and 6 are rejected under 35 U.S.C. § 102 (b) as being anticipated by Applicant's Conceded Prior Art (ACPA).

It is submitted that the amended claims now on file more clearly and concisely define the invention. More specifically, the invention as now claimed by applicant in amended base claim 1 includes the limitation of "an adder with a corrected color channel output□a first multiplied input, a second multiplied input, a third multiplied input and an uncorrected color channel input providing for direct coupling the adder to an output of a color image sensor;"

In the ACPA there are only three inputs to the adder, these three inputs are each coupled to a respective multiplier. However, the invention as now claimed by applicant in amended base claim 1 has four inputs three of which are coupled to a respective multiplier (a first multiplied input, a second multiplied input, a third multiplied input) in a similar fashion to the ACPA. However, the fourth input (an uncorrected color channel input) is not disclosed in the ACPA. Furthermore, in applicant's amended base claim 1 this uncorrected color channel input is "for direct coupling the adder to an output of a color image sensor". Also, the noise reduction filter in claim 1 has an input "coupled to said uncorrected color channel input" and thus cannot be considered as a filter that is inherent in the color image sensor as the filter in the sensor would have an output and not an input coupled to the uncorrected color channel input.

In view of the above it is submitted that amended claim 1 and claim 6 are novel over the ACPA. Furthermore, the amendments to claim 6 have removed all reference to "camera" in the preamble and the further structure of the claim is provided by reference to "a color image sensor having at least three uncorrected color channel outputs". Accordingly, both amended claims 1 and 6 should be considered allowable.

Referring to the examiner's rejection of claims 7 & 8

it is submitted that since applicant believes claim 6, now on file, is novel of the ACPA, amended claims 7 & 8 depending from claim 1 should also be considered patentable.

Claim Rejections - 35 U.S.C. § 103:

Claim 5 is rejected under 35 U.S.C. § 103 (a) as being unpatentable over the ACPA in view of Nishiwaki et al .

Since it is submitted above that the ACPA does not disclose the invention as claimed in amended claim 1, the combination of the Low Pass Filter of Nishiwaki et al and the ACPA does not result in the invention as claimed in claim 5 that depends from claim 1. It is therefore submitted that claim 5 is patentable.

Claim 9 is rejected under 35 U.S.C. § 103 (a) as being unpatentable over Nakamura et al in view of Nishiwaki et al .

Claim 9 has now been re-written to include the allowable subject matter of deleted claim 10 and therefore it is submitted that claim 9 now on file is patentable. Furthermore, since claim 9 is now allowable dependent claims 11 - 13 should also be considered allowable.

The allowable claims 2-4 have not been re-written in independent form since it is submitted that claim 1, as amended, is allowable. Hence, claims 2-4 that depend from claim 1 should also be allowed without being re-written in independent form.

In view of the above, this application is believed to be in proper form for allowance and an early notice of allowance is respectfully requested.

No amendment made was related to the statutory requirements of patentability unless expressly stated herein; and no amendment made was for the purpose of narrowing the scope of any claim, unless Applicant has argued herein that such amendment was made to distinguish over a particular reference or combination of references. As the Applicant has overcome all substantive rejections given by the Examiner the Applicant contends that this Amendment, with the above discussion, overcomes the Examiner's rejections to the pending claims. Therefore, the Applicant respectfully requests allowance of the application. If the Examiner is of the opinion that any issues regarding the status of the claims remain after this response, the Examiner is invited to contact the undersigned representative to expedite resolution of the matter. Finally, please charge any fees (including extension of time fees) or credit overpayment to Deposit Account No. 502117.

Respectfully Submitted,
Kharitoneko, ET AL.

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